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30 March 1973

TO: ERTS Project Scientist, Code 650 )  
Attention: Dr. William Nordberg )

ERTS Scientific Monitor, Code 644 )  
Attention: Dr. Louis S. Walter )

ERTS Technical Officer, Code 480 ) Goddard Space Flight Center  
Attention: Mr. Edmund F. Szajna ) Greenbelt, Maryland 20881

ERTS Contracting Office, Code 245 )  
Attention: Mr. John C. Blum )

Mr. J. H. Boeckel, Code 430(2 copies) )

NASA Scientific and Technical Information Facility

Attn: Earth Resources  
P.O. Box 33  
College Park, Maryland 20740

SUBJECT: Type I Progress Report No. 5 on Contract No. NAS 5-21749 (Land Use  
in Northern Megalopolis) (GFSC ID No. UN235)

1. Accomplishments

a. Appearance before the Senate Committee on Aeronautics and Space Sciences

This investigator appeared before the above committee on 14 March, along with Messrs. Lowe, Matthews and Jaffe, in the interests of the ERTS land use studies program. It is understood that copies of the prepared testimony also were forwarded to the Senate Interior Committee for inclusion in their consideration of the bill for a national land use program.

b. Participation in the ERTS Significant Results Symposium, 5-9 March

The Dartmouth College Project in Remote Sensing carried out three tasks at the New Carrollton symposium, as follows:

- (1) presented an "invited summaries" paper covering the 27 discipline papers in Land Use and Mapping at the Special Session on Thursday.
- (2) evaluated a block of land use papers for the Chairman's final evaluation session on Friday, and
- (3) presented a discipline paper on our own current investigation, Tuesday.

Dr. David T. Lindgren made the actual presentations in each case.

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(E73-10427) LAND USE IN NORTHERN  
MEGALOPOLIS Progress Report (Dartmouth  
Coll.) 3 p HC \$3.00 CSCL 08F

c. Data Analysis Plan Accepted

By letter of 12 February signed by R. D. Phillips, the Dartmouth College Project in Remote Sensing was authorized to proceed with Phase III of its contract investigation, since the plan submitted on 19 January had been approved.

d. Receipt of Imagery

The fifth and last image needed to complete the mapping coverage of megalopolitan New England for this contract was received and put into work on 24 March 1973. A Band 5 image was accepted for this task, instead of the usual CIR transparency, because of predicted long delays in receipt of color imagery (see also para. 3 below).

e. Accomplishments for the Next Reporting Period

By 2 May, as called for in our Analysis Plan, we expect to have completed the field check of the land use map of northern megalopolis (Massachusetts, Connecticut and Rhode Island) and to have loaded the computer with the map data, for analysis.

2. List of Articles, Reports, and Talks

a. Statement of Robert B. Simpson, Professor of Geography, Dartmouth College, before the Committee on Aeronautical and Space Sciences, United States Senate (14 March 1973).

b. Lindgren, David T. and Robert B. Simpson, "Land Use and Mapping: A Summary," an invited paper presented at the NASA/Goddard Symposium on Significant Results Obtained from ERTS-1, 5-9 March 1973. This paper also was forwarded to the Symposium Chairman for inclusion in a separate invited-papers report, to be published.

c. Lindgren, David T. and Robert B. Simpson, "Land Use in Northern Megalopolis," a progress report presented at the 5-9 March symposium, and also to be published by NASA in a symposium proceedings volume.

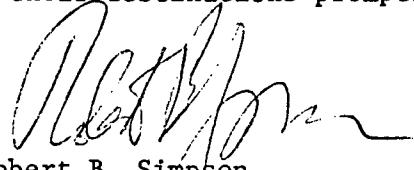
d. Data Analysis Plan for Investigation of Land Use of Northern Megalopolis from ERTS-1 Imagery, submitted to the ERTS Contracting Office on 19 January 1973.

e. ERTS applied to Land Use Planning at the State and Interstate Levels, being a proposal for an ERTS-B contract, submitted to the NASA Office of Policy and University Affairs as of 31 January 1973.

3. Data Request Forms Submitted

Officials who have followed the absolute lack of success of this Investigator to get materials from the NDPF without serious complications will be gratified to know that his record continues to be ZERO. A Data Request Form

airmailed on 2 February 1973 with a request for special handling was reported to have been not yet received in NDPF over a month later (5 March), although duplicate copies of the letter sent to User Services and the Technical Monitor at the same time arrived at their destinations promptly (see also para.1d above).

A handwritten signature in dark ink, appearing to read 'Robert B. Simpson', with a stylized flourish at the end.

Robert B. Simpson  
Principal Investigator